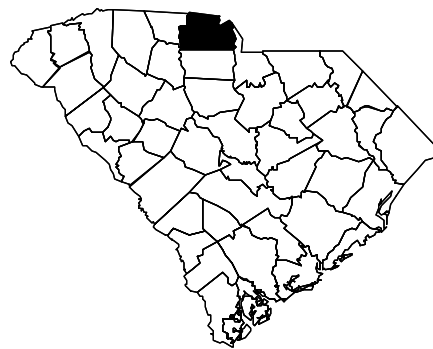


# ASTHMA IN YORK COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

May 2003

## Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

## Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2001, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

## Impact of Asthma in York County

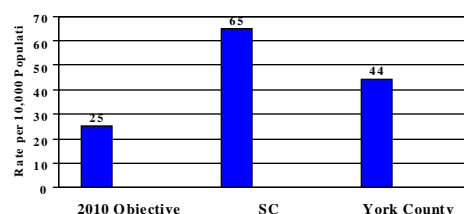
- About 11,407 (6.7%) adults in York county suffer annually from asthma.
- In 2001, there were 149 hospitalizations for asthma in York county for all ages.

## Children Suffer the Most from Asthma

- Asthma/Bronchitis is the leading cause of hospitalization in York county for children under the age of 18.

- In 2001, there were 77 asthma hospitalizations of children (<18 years) in York county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- York county had a rate of 44 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, York County, 2001

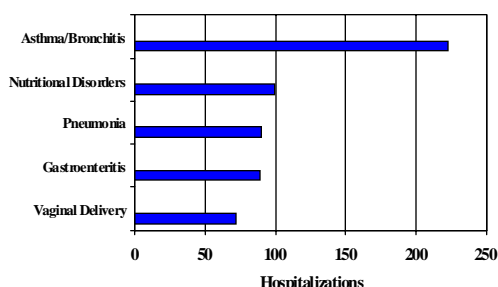


Data Source: Office of Research & Statistics

## Cost of Asthma

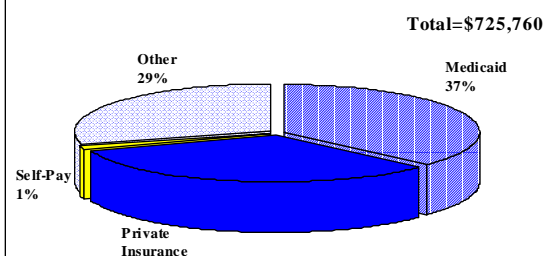
- \$725,760 was charged in 2001 for hospital and ER visits in York county for asthmatic children (<18 years).
- Medicaid covered nearly 37% of these charges.

Leading Causes of Hospitalization in Children Aged 0-18, York County, 2001



Data Source: Office of Research & Statistics

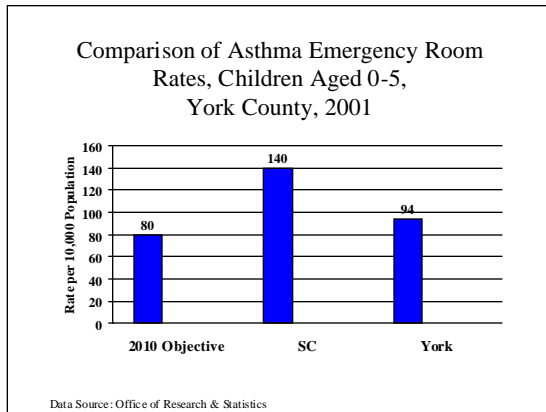
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, York County, 2001



Data Source: Office of Research & Statistics

## Emergency Room

- 259 children under the age of 18 visited the ER due to asthma in York county in 2001. This represents 51% of all ER visits due to asthma.
- \$63,260 was charged for ER visits in York county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- York county had an ER rate of 94 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

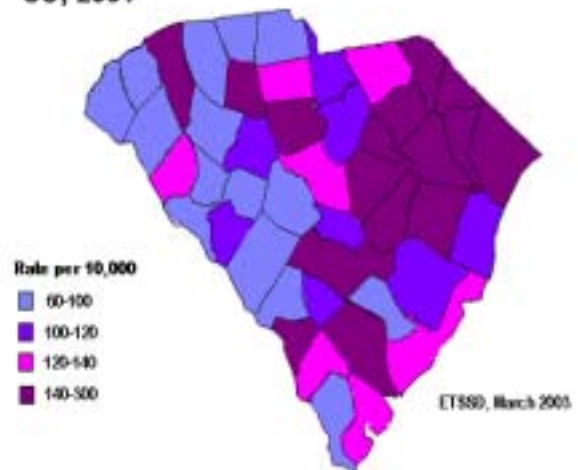


## Disparities

- Non-white children under the age of 18 visit ER more frequently than white children in the same age group.
- The hospitalization rate among non-white children is twice to thrice as often as white children.

| Hospital and Emergency Room Rates per 10,000 Children (<18 years), 2001 |             |           |                |           |
|---|-------------|-----------|----------------|-----------|
|   | York County |           | South Carolina |           |
|   | White       | Non-white | White          | Non-white |
| Hospital  | 13.3        | 29.6      | 19.2           | 41.5      |
| ER  | 31.7        | 125.8     | 46.0           | 155.5     |

Asthma Related Hospital and ER Visits  
Rate for Children Younger than 18  
SC, 2001



### For more information on asthma contact:

SC DHEC Data Sources:

#### Behavior Risk Factor Surveillance System

Bureau of Epidemiology  
(803) 545-4920

#### Vital Records

Division of Biostatistics  
(803) 898-3649

#### Bureau of Air Quality

Outreach Section  
(803) 898-4467

[www.scdhec.net](http://www.scdhec.net)

Generated By:

Epi Technical Support and Services Division  
Bureau of Epidemiology

### Hospital discharges and ER visits, contact:

Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958



[www.orss.state.sc.us/hd/](http://www.orss.state.sc.us/hd/)

